

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|----------------------------|--------------------|------------------|---------|------------------|
| | | (181/229-231181/243).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/04/14 13:21 |
| L1 | 1 | ("6,328,513").PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/26 21:05 |

EAST Search History

| | | | | | | |
|--------------------|--|---|------------------------------|----|-----|------------------|
| L11 | 193 | (US-20050263344-\$ or US-20050247516-\$ or US-20050224284-\$ or US-20050217908-\$ or US-20050150716-\$ or US-20050082113-\$ or US-20040238273-\$ or US-20040200665-\$ or US-20040081537-\$ or US-20040069562-\$ or US-20040060763-\$ or US-20040055815-\$ or US-20030155169-\$ or US-20030136607-\$ or US-20030030201-\$ or US-20020027041-\$ or US-20050079032-\$ or US-20050189166-\$ or US-20050198802-\$ or US-20050191149-\$).did. or (US-6860686-\$ or US-6308927-\$ or US-6959902-\$ or US-6076794-\$ or US-6095481-\$ or US-6056471-\$ or US-5855443-\$ or US-5709513-\$ or US-5596845-\$ or US-5474408-\$ or US-5125194-\$ or US-3951556-\$ or US-4923319-\$ or US-4638608-\$ or US-3967906-\$ or US-3637244-\$ or US-3521413-\$ or US-6641326-\$ or US-6575536-\$ or US-5769583-\$ or US-1335613-\$ or US-6328513-\$ or US-5611409-\$ or US-5581055-\$ or US-5205719-\$ or US-4858722-\$). did. or (US-4854417-\$ or US-4749058-\$ or US-4258798-\$ or US-4219100-\$ or US-4109749-\$ or US-7007720-\$ or US-6953313-\$ or US-3898063-\$ or US-3880252-\$ or US-6997662-\$ or US-3783590-\$ or US-3765607-\$ or US-6926117-\$ or US-6880787-\$ or US-6758512-\$ or US-6935460-\$ or US-6863154-\$ or US-5772252-\$ or US-5104271-\$ or US-4786201-\$ or US-4729707-\$ or US-4690365-\$ or US-4510898-\$ or US-4304503-\$ or US-4015504-\$ or US-3897112-\$ or US-1394072-\$). did. or (US-1391633-\$ or US-3245142-\$ or US-6688856-\$ or US-6505697-\$ or US-6374943-\$ or US-6382931-\$ or US-6367580-\$ or US-6209678-\$ or US-6202785-\$ or US-6164410-\$ or US-6164066-\$ or US-6151982-\$ or US-6146050-\$ or US-6044926-\$ or US-6041890-\$ or US-6164062-\$ or US-6089348-\$ or US-6095460-\$ or US-5996731-\$ or US-5906477-\$ or US-5844177-\$ or US-5480752-\$ or US-5007024-\$ or | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 21:22 |
| 9/26/06 9:38:59 PM | C:\Documents and Settings\sharply\Documents\EAST\Workspaces\10658267.wsp | Page 2 | | | | |

EAST Search History

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|--------------------|--|---|------------------------------|----|-----|------------------|
| L12 | 142 | (US-20050263344-\$ or US-20050247516-\$ or US-20050224284-\$ or US-20050150716-\$ or US-20050082113-\$ or US-20040238273-\$ or US-20040200665-\$ or US-20040081537-\$ or US-20040069562-\$ or US-20040060763-\$ or US-20040055815-\$ or US-20030155169-\$ or US-20030136607-\$ or US-20020027041-\$ or US-20050079032-\$ or US-20050189166-\$ or US-20050198802-\$ or US-20050191149-\$).did. or (US-5709513-\$ or US-5474408-\$ or US-4923319-\$ or US-3521413-\$ or US-5769583-\$ or US-1335613-\$ or US-6328513-\$ or US-5611409-\$ or US-5581055-\$ or US-5205719-\$ or US-4858722-\$ or US-4854417-\$ or US-4749058-\$ or US-4258798-\$ or US-4219100-\$ or US-4109749-\$ or US-6953313-\$ or US-3898063-\$ or US-3880252-\$ or US-6997662-\$ or US-3783590-\$ or US-3765607-\$ or US-6926117-\$ or US-6880787-\$ or US-6758512-\$ or US-6935460-\$). did. or (US-6863154-\$ or US-5772252-\$ or US-5104271-\$ or US-4786201-\$ or US-4729707-\$ or US-4690365-\$ or US-4510898-\$ or US-4304503-\$ or US-4015504-\$ or US-3897112-\$ or US-1394072-\$ or US-1391633-\$ or US-3245142-\$ or US-6688856-\$ or US-6505697-\$ or US-6374943-\$ or US-6382931-\$ or US-6367580-\$ or US-6209678-\$ or US-6202785-\$ or US-6164410-\$ or US-6164066-\$ or US-6151982-\$ or US-6146050-\$ or US-6044926-\$ or US-6041890-\$ or US-6164062-\$). did. or (US-6089348-\$ or US-6095460-\$ or US-5996731-\$ or US-5906477-\$ or US-5844177-\$ or US-5489753-\$ or US-5097924-\$ or US-4449609-\$ or US-4320864-\$ or US-4316523-\$ or US-4299305-\$ or US-4135602-\$ or US-4134472-\$ or US-4033428-\$ or US-3561561-\$ or US-6572127-\$ or US-6827538-\$ or US-6406239-\$ or US-5533580-\$ or US-5613968-\$ or US-5358367-\$ or US-5333978-\$ or US-5312005-\$ or US-4988067-\$ or US-4673240-\$ or US-4334815-\$ or US-2475035-\$) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 21:22 |
| 9/26/06 9:38:59 PM | C:\Documents and Settings\sharpmj\Documents\EAST\Workspaces\10658267.wsp | | | | | |

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|-----|-------|--|------------------------------|----|-----|------------------|
| L13 | 0 | ("L11notL12").PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/26 21:22 |
| L14 | 51 | L11 not L12 | US-PGPUB; USPAT | OR | OFF | 2006/09/26 21:22 |
| L15 | 2276 | resonator and tool | US-PGPUB; USPAT | OR | OFF | 2006/09/26 21:27 |
| L16 | 55 | resonator and tool and ("411"/\$.cccls "403"/\$.cccls. "181"/\$.cccls. "180"/\$. cccls.) | US-PGPUB; USPAT | OR | OFF | 2006/09/26 21:28 |
| L17 | 20 | ("3703937" "4136756" "4320815" "4350223" "4539813" "4539947" "4546733" "4552029" "4800985" "4874062").PN. OR ("5317112"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 21:31 |
| S1 | 5314 | muffler and (pin bolt nut flange) | US-PGPUB; USPAT | OR | OFF | 2006/04/13 15:59 |
| S2 | 5952 | muffler and (pin bolt nut flange collar threaded) | US-PGPUB; USPAT | OR | OFF | 2006/04/13 16:00 |
| S3 | 77299 | S2 and "411"/\$.cccls. "403"/\$.cccls. "181"/\$.cccls. 180/296,309,89.2.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/04/13 16:01 |
| S4 | 892 | S2 and ("411"/\$.cccls. "403"/\$.cccls. "181"/\$.cccls. 180/296,309,89.2.ccls.) | US-PGPUB; USPAT | OR | OFF | 2006/04/13 18:03 |
| S5 | 306 | (411/389).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/04/13 18:09 |
| S6 | 0 | S5 and muffler | US-PGPUB; USPAT | OR | OFF | 2006/04/13 18:09 |
| S7 | 5 | ("3245142").PN. OR ("4510898"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/13 18:59 |
| S8 | 7 | ("3622194" "4295691" "4445594" "4921371" "5069586").PN. OR ("6328513"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 11:47 |
| S9 | 7 | ("3622194" "4295691" "4445594" "4921371" "5069586").PN. OR ("6328513"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 11:52 |
| S10 | 7 | ("3482649" "5177962" "5712455" "5866859" "5883342" "6076732").PN. OR ("6164410"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 12:13 |
| S11 | 9 | ("1280386" "1342464" "3650354" "4142607" "4231221" "5315075").PN. OR ("6041890"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 12:32 |

EAST Search History

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|-----|-----|--|------------------------------|----|-----|------------------|
| S12 | 4 | ("4450933" "4693339").PN. OR ("5996731").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 12:36 |
| S13 | 11 | ("4415060" "4449610" "4784581" "5201640" "5207564" "5304044" "5496156" "5577898" "5613842" "5641949").PN. OR ("5906477").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 13:21 |
| S14 | 875 | (181/229-231,243).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/04/14 13:22 |
| S15 | 17 | ("2222703" "2419664" "3208551" "3339668" "3561561" "3680659" "3718208").PN. OR ("4749058").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 13:49 |
| S16 | 12 | ("2419664").URPN. | USPAT | OR | OFF | 2006/04/14 13:51 |
| S17 | 36 | ("1097474" "1110959" "1498788" "2194163" "2320050" "2401665" "2634842" "2762397" "2988288" "3630455" "3697002" "4200119" "4294289" "4364523").PN. OR ("4624415").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 13:57 |
| S18 | 6 | ("3237716" "4073361" "4265332" "4324831").PN. OR ("4422523").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 13:59 |
| S19 | 25 | ("1857845" "2815088" "3380553" "3563338" "3811251").PN. OR ("4134472").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 14:10 |
| S20 | 5 | ("3547223").URPN. | USPAT | OR | OFF | 2006/04/14 20:35 |
| S21 | 7 | ("3208551").URPN. | USPAT | OR | OFF | 2006/04/14 20:41 |
| S22 | 3 | ("3137365").URPN. | USPAT | OR | OFF | 2006/04/14 20:44 |
| S23 | 175 | (411/546).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/04/14 21:25 |
| S24 | 0 | S23 and muffler | US-PGPUB; USPAT | OR | OFF | 2006/04/14 21:25 |
| S25 | 17 | ("2859047" "3083796" "4066278" "4113278" "4552379" "4621831" "4944523" "5449193" "5551722" "5704631" "5807010" "6007079" "6225566").PN. OR ("6402171").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 21:28 |
| S26 | 7 | ("4453346" "4529244" "5340258" "5492388").PN. OR ("6062791").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 21:33 |

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|-----|------|---|--|----|-----|------------------|
| S27 | 5 | ("2934684").URPN. | USPAT | OR | OFF | 2006/04/14 21:49 |
| S28 | 370 | engine and muffler. and tool | USPAT | OR | OFF | 2006/04/14 21:57 |
| S29 | 0 | sthil | USPAT | OR | OFF | 2006/04/14 21:57 |
| S30 | 613 | stihl | USPAT | OR | OFF | 2006/04/14 21:57 |
| S31 | 498 | stihl.as. | USPAT | OR | OFF | 2006/04/14 21:58 |
| S32 | 58 | S31 and muffler | USPAT | OR | OFF | 2006/04/14 21:58 |
| S33 | 27 | ("0389028" "0838448" "1018490" "1335613" "3943818" "4457117").PN. OR ("4729707"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 22:40 |
| S34 | 2 | heat with standoff and "411"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 22:41 |
| S35 | 16 | muffler and "411"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/04/14 22:42 |
| S36 | 5 | ("2934684").URPN. | USPAT | OR | OFF | 2006/04/14 22:45 |
| S37 | 52 | muffler and standoff | US-PGPUB; USPAT | OR | OFF | 2006/09/25 18:49 |
| S38 | 1520 | (muffler resonator) and bolt and (spacing spacer standoff) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/09/25 19:01 |
| S39 | 222 | (muffler resonator) and bolt and (spacing spacer standoff) and (isolation isolator) | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2006/09/25 19:01 |
| S40 | 0 | ("2003/0030201").URPN. | USPAT | OR | OFF | 2006/09/25 19:04 |
| S41 | 11 | ("2525736" "3257889" "4762450").PN. OR ("5709513"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/25 20:50 |
| S42 | 46 | ("0776251" "1763682" "1926925" "2915265" "3018990" "3083796" "3499630" "3521413" "3637244" "3837752" "3951556" "3967906" "3996065" "4528786" "4638608" "4654987" "4923319" "5004366" "5125194" "5214886" "5474408" "5480121" "5596845" "5709513" "5855443" "6056471" "6076794" "6095481" "6113055" "6116833" "6210066" "6216413").PN. OR ("6308927").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/25 21:06 |

EAST Search History

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|-----|----|--|------------------------------|----|-----|------------------|
| S43 | 3 | heat with (dissipates dissapating) with fastener | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/25 21:06 |
| S44 | 27 | ("0389028" "0838448" "1018490" "1335613" "3943818" "4457117").PN. OR ("4729707"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/25 21:09 |

EAST Search History

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|--------------------|--|---|------------------------------|----|--------|------------------|
| S45 | 162 | (US-20050263344-\$ or US-20050247516-\$ or US-20050224284-\$ or US-20050217908-\$ or US-20050150716-\$ or US-20050082113-\$ or US-20040238273-\$ or US-20040200665-\$ or US-20040081537-\$ or US-20040069562-\$ or US-20040060763-\$ or US-20040055815-\$ or US-20030155169-\$ or US-20030136607-\$ or US-20030030201-\$ or US-20020027041-\$ or US-20050079032-\$ or US-20050189166-\$ or US-20050198802-\$ or US-20050191149-\$).did. or (US-6860686-\$ or US-6308927-\$ or US-6959902-\$ or US-6076794-\$ or US-6095481-\$ or US-6056471-\$ or US-5855443-\$ or US-5709513-\$ or US-5596845-\$ or US-5474408-\$ or US-5125194-\$ or US-3951556-\$ or US-4923319-\$ or US-4638608-\$ or US-3967906-\$ or US-3637244-\$ or US-3521413-\$ or US-6641326-\$ or US-6575536-\$ or US-5769583-\$ or US-1335613-\$ or US-6328513-\$ or US-5611409-\$ or US-5581055-\$ or US-5205719-\$ or US-4858722-\$). did. or (US-4854417-\$ or US-4749058-\$ or US-4258798-\$ or US-4219100-\$ or US-4109749-\$ or US-7007720-\$ or US-6953313-\$ or US-3898063-\$ or US-3880252-\$ or US-6997662-\$ or US-3783590-\$ or US-3765607-\$ or US-6926117-\$ or US-6880787-\$ or US-6758512-\$ or US-6935460-\$ or US-6863154-\$ or US-5772252-\$ or US-5104271-\$ or US-4786201-\$ or US-4729707-\$ or US-4690365-\$ or US-4510898-\$ or US-4304503-\$ or US-4015504-\$ or US-3897112-\$ or US-1394072-\$). did. or (US-1391633-\$ or US-3245142-\$ or US-6688856-\$ or US-6505697-\$ or US-6374943-\$ or US-6382931-\$ or US-6367580-\$ or US-6209678-\$ or US-6202785-\$ or US-6164410-\$ or US-6164066-\$ or US-6151982-\$ or US-6146050-\$ or US-6044926-\$ or US-6041890-\$ or US-6164062-\$ or US-6089348-\$ or US-6095460-\$ or US-5996731-\$ or US-5906477-\$ or US-5844177-\$ or US-5489752-\$ or US-5097974-\$ or | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 10:40 |
| 9/26/06 9:38:59 PM | C:\Documents and Settings\sharply\Documents\EAST\Workspaces\10658267.wsp | | | | | |
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|-----|----|--|------------------------------|----|-----|------------------|
| S46 | 15 | S45 and muffle | US-PGPUB; USPAT | OR | OFF | 2006/09/26 10:41 |
| S47 | 82 | S45 and muffler | US-PGPUB; USPAT | OR | OFF | 2006/09/26 10:53 |
| S48 | 1 | ("5906477").PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/26 10:54 |
| S49 | 11 | ("4415060" "4449610" "4784581" "5201640" "5207564" "5304044" "5496156" "5577898" "5613842" "5641949").PN. OR ("5906477"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 11:12 |
| S50 | 15 | ("4911619" "5207564").PN. OR ("5577898").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 11:15 |
| S51 | 6 | ("5207564" "5304044" "5577898").PN. OR ("5697766"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 11:18 |
| S52 | 3 | ("5207564" "5304044" "5577898").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 11:19 |
| S53 | 5 | ("4313715" "4477229" "4784581" "5207564" "5577898").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 11:19 |
| S54 | 2 | ("4911619" "5207564").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 11:20 |
| S55 | 1 | ("4111278").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 11:24 |
| S56 | 15 | ("4111278").PN. OR ("4415060"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 11:24 |
| S57 | 37 | ("1025759" "2650114" "2712950" "3066857" "3066959" "3781941" "3864054" "3948546" "3950014" "3989280" "4239461" "4352642" "4370104" "4371319" "4396359" "4401418" "4411600" "4412791" "4415060" "4428602" "4477229" "4573880" "4573881" "4582468" "4755108" "4759693" "4779902" "4784581" "4784583" "4973775").PN. OR ("5220811"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 11:27 |

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|-----|----|--|------------------------------|----|-----|------------------|
| S58 | 45 | ("1402896" "3044688" "3075686" "3876339" "4313715").PN. OR ("4401418").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 12:49 |
| S59 | 12 | ("3224473" "3967698" "4010544" "4662071").PN. OR ("5243764").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 13:43 |
| S60 | 1 | ("4401418").PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/26 14:20 |
| S61 | 15 | ((("3897713") or ("3458132") or ("2263050") or ("1896388") or ("1126531") or ("3943818") or ("3276172") or ("2877732") or ("1644477") or ("1610934") or ("0928237") or ("0571042") or ("0375907") or ("0313193") or ("0197721")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/26 14:21 |
| S62 | 1 | ("375907").URPN. | USPAT | OR | OFF | 2006/09/26 14:23 |
| S63 | 5 | ("197721").URPN. | USPAT | OR | OFF | 2006/09/26 14:24 |
| S64 | 17 | ("0197721" "0313193" "4033393").PN. OR ("4786201").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/26 14:42 |
| S65 | 1 | ("5243764").PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/26 16:44 |
| S66 | 4 | ((("6,328,513") or ("5,906,477") or ("5,333,978") or ("1,574,466")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/26 18:27 |
| S67 | 16 | standoff and muffler and exhaust and nut and heat | US-PGPUB; USPAT | OR | ON | 2006/09/26 18:36 |
| S68 | 70 | standoff and muffler | US-PGPUB; USPAT | OR | ON | 2006/09/26 21:05 |